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10/582,211	06/08/2006	Arnaud Bailleul	4590-530	1626

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EXAMINER
UNG, LANNY N

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/582,211	BAILLEUL ET AL.
	Examiner	Art Unit
	LANNY UNG	2191

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *08 June 2006*.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-11* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-11* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on *08 June 2006* is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some * c) ☐ None of:

       1. ☒ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____.

       3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date *March 26, 2007 and March 26, 2009*.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

This Office Action is in response to application filed on June 8, 2006.

Claims 1-11 are pending.

Claim Objections

Claim 1 is objected to because of the following informalities:

- Claim 1 appears to contain a typo in line 5. Claim 1 states

  "parametrization" but should be "parameterization".

Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Business Wire ("I-Logix Brings XML-Based XMI Standard to the Real-Time

Marketplace, Driving Enterprise Collaboration and Paving the Way for Collaborative

Commerce", Sept 26, 2000) in view of **Sodifrance** ("Model-in-Action", May 2003).

With respect to **Claim 1**, Business Wire discloses:

wherein a detailed implementation model is produced in UML code, *(Rhapsody is a leader in development of UML for real-time, Page 2, Paragraph 1, lines 5-6)* that the model thus created is exported in the form of a file in the XMI language, *(Rhapsody contains an XMI interface to export UML meta model into XMI format, Page 2, Paragraph 2, lines 1-4)*

Business Wire does not disclose:

that this XMI file is dispatched to a file generation engine which is the "Model In Action" tool, that this tool is associated with a scripts parameterization application, and that this tool is made to produce files in the C language, namely C files, H files, a generation report file, configuration management "batch" files and compilation project files.

However, Sodifrance discloses:

that this XMI file is dispatched to a file generation engine which is the "Model In Action" tool, *(Model-in-Action, MIA, can read UML file based on standard XMI, Page 10, Paragraph 3, lines 1-2)* that this tool is associated with a scripts parameterization application, *(MIA provides a script that the configuration tool can run, Page 11, Paragraph 2, lines 5-6)* and that this tool is made to produce files in the C language, *(Model-in-Action is a source code generator builder for target platform/language such as Java, .NET, C/C..., Page 1, Paragraph 1, lines 4-8)* namely C files, H files, *(C and H files are standard files when generating C source code, Page 1, Paragraph 1, lines 4-6)* a generation report file, *(MIA's generation report contents all necessary information for your configuration tool, Page 11, Paragraph 2, lines 2-4)* configuration management

"batch" files *(MIA provides a script that the configuration tool can run, Page 11,*

Paragraph 2, lines 5-6) and compilation project files. *(compilation project files are*

standard files when generating C source code, Page 1, Paragraph 1, lines 4-6)

Therefore, it would have been obvious to one of ordinary skill in the art at the

time the invention was made to incorporate the teaching of Sodifrance into the teaching

of Business Wire to include the Model-in-Action tool in order to produce a code

generator that enables developers to automate assembling of application from new and

existing code, regardless of platform, programming language or object model.

(Sodifrance, Page 1, Paragraph 1, lines 12-14)

With respect to **Claim 2**, all the limitations of **Claim 1** have been addressed

above; and Sodifrance further discloses:

wherein the C code generated covers 100% of the UML specification of the

software, the whole generation spectrum being processed both statically and

dynamically. *(Model-in-Action supports 100% of UML 1.3 and is able to generate code*

for all standard concepts such as classes (statically) and states (dynamically), Page 10,

Paragraph 5, lines 1-4)

With respect to **Claim 3**, all the limitations of **Claim 1** have been addressed

above; and Business Wire further discloses:

wherein the model is produced with the aid of a UML modeling tool. *(Rhapsody is*

a leader in development of UML, Page 2, Paragraph 1, lines 5-6)

With respect to **Claim 4**, all the limitations of **Claim 3** have been addressed

above; and <u>Business Wire</u> further discloses:

wherein the UML modeling tool is RHAPSODY from the company I-LOGIX.

(Rhapsody by I-Logix, Page 1, lines 1-5)

Claims 5-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Business Wire ("I-Logix Brings XML-Based XMI Standard to the Real-Time

Marketplace, Driving Enterprise Collaboration and Paving the Way for Collaborative

Commerce", Sept 26, 2000) in view of **Sodifrance** ("Model-in-Action", May 2003) in

view of **well known practices in the art** in view of **Ben Campbell et al.**

("TortoiseCVS", 2003) in view of **Laurent Doldi** ("Validation of Communications

Systems with SDL: The Art of SDL Simulation and Reachability Analysis", 2003) and in

further view of **Lau** (US 6,598,219)

With respect to **Claim 5**, all the limitations of **Claim 1** have been addressed

above; and <u>Business Wire</u> and <u>Sodifrance</u> do not disclose:

wherein the generation report file comprises the following information:

version number of the reference report,

version number of the current report,

designation of the UML model with its state and its version number,

designation of the software collections produced with their state and their version number,

designation of the generation scenarios with their state and their version number,

designation of the files generated with their state and their version number,

name of the scenario in progress,

name of the generated text files of the scenario.

However, It is old and well known within the computing art to include the version numbers of the reference and current report on a report, Official Notice is taken of such.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of including version numbers for the reference and current report into the teaching of Business Wire and Sodifrance in order to determine which reports are older and newer and provide an audit trail for the data contained in the report.

Business Wire, Sodifrance and well known practices in the art do not disclose:

designation of the UML model with its state and its version number,

designation of the software collections produced with their state and their version number,

designation of the generation scenarios with their state and their version number,

designation of the files generated with their state and their version number,

name of the scenario in progress, name of the generated text files of the scenario.

However, Ben Campbell et al. disclose:

designation of the software collections produced with their state and their version

number, *(see Figure 2.2, the names of the files that have been created along with their*

CVS revision numbers and status values are included)

designation of the files generated with their state and their version number, *(see*

Figure 2.2, the names of the files that have been created along with their CVS revision

numbers and status values are included)

name of the scenario in progress, *(see Figure 2.2, the current report is displaying*

the folder "web" (current scenario))

name of the generated text files of the scenario. *(see Figure 2.2, "Name" column*

contains the name of text files created within the "web" folder (scenario).

Therefore, it would have been obvious to one of ordinary skill in the art at the

time the invention was made to incorporate the teaching of <u>Ben Campbell et al.</u> into the

teaching of <u>Business Wire</u>, <u>Sodifrance</u> and <u>well known practices in the art</u> to include

displaying files and software collections generated along with their state and version

numbers, name of the scenario in progress and the name of generated text files of the

scenario in order to report to a user on the current status of files within a version

management system.

<u>Business Wire</u>, <u>Sodifrance</u>, <u>well known practices in the art</u> and <u>Ben Campbell et</u>

<u>al.</u> further disclose:

designation of the files with its state and its version number, *(see Figure 2.2,*

generated files in html, txt, shtml and jpeg are included in the version management

system along with their revision number and status)

Business Wire, Sodifrance, well known practices in the art and Ben Campbell et

al. do not disclose:

the files are UML model and generation scenarios files

However, Laurent Doldi discloses:

generation scenarios files *(each scenario is stored in files such as .scn, .com or*

.cui, Page 4, 1.3 Simulation Life Cycle, Paragraph 4, lines 1-2)

Therefore, it would have been obvious to one of ordinary skill in the art at the

time the invention was made to incorporate the teaching of Laurent Doldi into the

teaching of Business Wire, Sodifrance, well known practices in the art and Ben

Campbell et al. to include the generation scenario files in order to support version

management of a plurality of file types.

Business Wire, Sodifrance, well known practices in the art, Ben Campbell et al.,

and Laurent Doldi do not disclose:

the files are UML model files

However, Lau discloses:

the files are UML model files *(UML model files are stored in a Rose mdl format*

file, Column 2, lines 8-11)

Therefore, it would have been obvious to one of ordinary skill in the art at the

time the invention was made to incorporate the teaching of Lau into the teaching of

Business Wire, Sodifrance, well known practices in the art, Ben Campbell et al., and

Laurent Doldi to include the UML model files in order to support version management of

a plurality of file types.

With respect to **Claim 6**, all the limitations of **Claim 5** have been addressed

above; and <u>Sodifrance</u> further disclose:

wherein the scenarios are of the "Clearcase" type. *(configuration tool can be*

ClearCase, Page 11, Paragraph 3, lines 7-8)

With respect to **Claim 7**, all the limitations of **Claim 5** have been addressed

above; and <u>Ben Campbell et al.</u> further disclose:

wherein the states of the files generated are comparison states with respect to

those of a previous generation *(see Table 2.1, statuses such as "unmodified" indicate*

the file or folder is up-to-date with the CVS repository version and "modified" indicates

the file or folder has been modified from the current CVS repository version, Page 6)

With respect to **Claim 8**, all the limitations of **Claim 6** have been addressed

above; and <u>Ben Campbell et al.</u> further disclose:

wherein the state of each file is one of the following: new, unmodified, modified,

modified manually, modified and modified manually, eliminated. *(see Figure 2.2,*

Column "CVS status" and Table 2.1; the status of a file can be one of "Unmodified",

"Modified", "Conflict"..., Page 6)

Claim 9 contains limitations identical to Claim 5 and therefore, is rejected for the

same reasons set forth in the rejection of Claim 5.

Claim 10 contains limitations identical to Claim 5 and therefore, is rejected for the same reasons set forth in the rejection of Claim 5.

Claim 11 contains limitations identical to Claim 5 and therefore, is rejected for the same reasons set forth in the rejection of Claim 5.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LANNY UNG whose telephone number is (571)270-7708. The examiner can normally be reached on Monday-Thursday, 6:30am-5:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Zhen can be reached on (571)272-3708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/LU/
Lanny Ung
Examiner, Art Unit 2191
January 25, 2010
/Wei Y Zhen/
Supervisory Patent Examiner, Art Unit 2191